

~~TOP SECRET~~

25X1



NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**PETROLEUM INDUSTRY
DEVELOPMENTS, NORTHEAST CHINA**

~~TOP SECRET~~

25X1

25X1

MAY 1974
COPY NO. 122
6 PAGES
PIR-032/74

Page Denied

TOP SECRET RUFF

25X1

25X1

PETROLEUM INDUSTRY DEVELOPMENTS, NORTHEAST CHINA

ABSTRACT

1. The People's Republic of China (PRC) is continuing efforts to develop its petroleum industry in northeast China. This includes the development of new oil fields, expansion of existing oil fields, construction of new pipelines and new petroleum refineries, expansion and modernization of existing petroleum refineries, construction of new POL transshipment facilities, and a major effort in offshore exploration.

2. This report includes a map and annotated photographs.

INTRODUCTION

3. The petroleum industry in northeast China is concentrated within a 150-mile-wide belt beginning at Ta-ching Oil Field in Heilungkiang Province and extending approximately 800 miles south-southwest to the Tzu-po area (36-28N 117-51E) in Shantung Province. The industry within the northern two-thirds of this belt is served by pipeline and/or rail. The southern third is served by rail, water, and pipeline.

4. This report updates and amplifies a 1971 NPIC report.¹

BASIC DESCRIPTION

Oil Fields

5. Northeast China contains seven oil fields (Figure 1 and Table 1), two of which were identified on photography of August 1973. Four of the previously existing oil fields, including An-kuang (Figure 2), have been significantly expanded since February 1971. Only the Fu-yu Oil Field has shown no growth since August 1970.

Refineries

6. There were 16 petroleum refineries in northeast China in September 1973 (Figure 1 and Table 2); only ten were operational. Five are new or newly identified since February 1971. Six of the previously existing refineries, including Chang-chia-wei-tzu (Figure 3), are being expanded.

Pipelines

7. In addition to the previously reported Ta-ching/Fu-shun Pipeline and the Pan-shan/An-shan Pipeline,¹ six pipeline segments have been identified since February 1971 (Figure 1).

8. A pipeline, in various stages of construction, was observed paralleling the Ta-ching/Fu-shun Pipeline from Ta-ching Oil Field south to the Tieh-ling Pumping Station [REDACTED]

25X1

9. A second pipeline, in various stages of construction in July 1973, extends from the Tieh-ling Pumping Station southwest to the recently identified Chin-huang-tao POL Transshipment Facility [REDACTED]

25X1

10. A third new pipeline, extending south-southwest from the Fu-shun area to the An-shan Petroleum Refinery, was under construction in April 1973.

11. A fourth pipeline was identified on photography of July 1973; it connects the newly identified Lin-i Oil Field to a rail transshipment facility 40 nautical miles (nm) south.

12. A previously unreported pipeline connects the Kuang-jao Oil Field with the Wang-chu-chuang Petroleum Refinery. This pipeline was observed on photography of July 1973.

13. A sixth new pipeline under construction was intermittently observed from a point 36 nm south of the Kuang-jao Oil Field to Huang-tao Possible POL Transshipment Facility [REDACTED] under construction near Ching-tao.

25X1

TOP SECRET RUFF

25X1

25X1

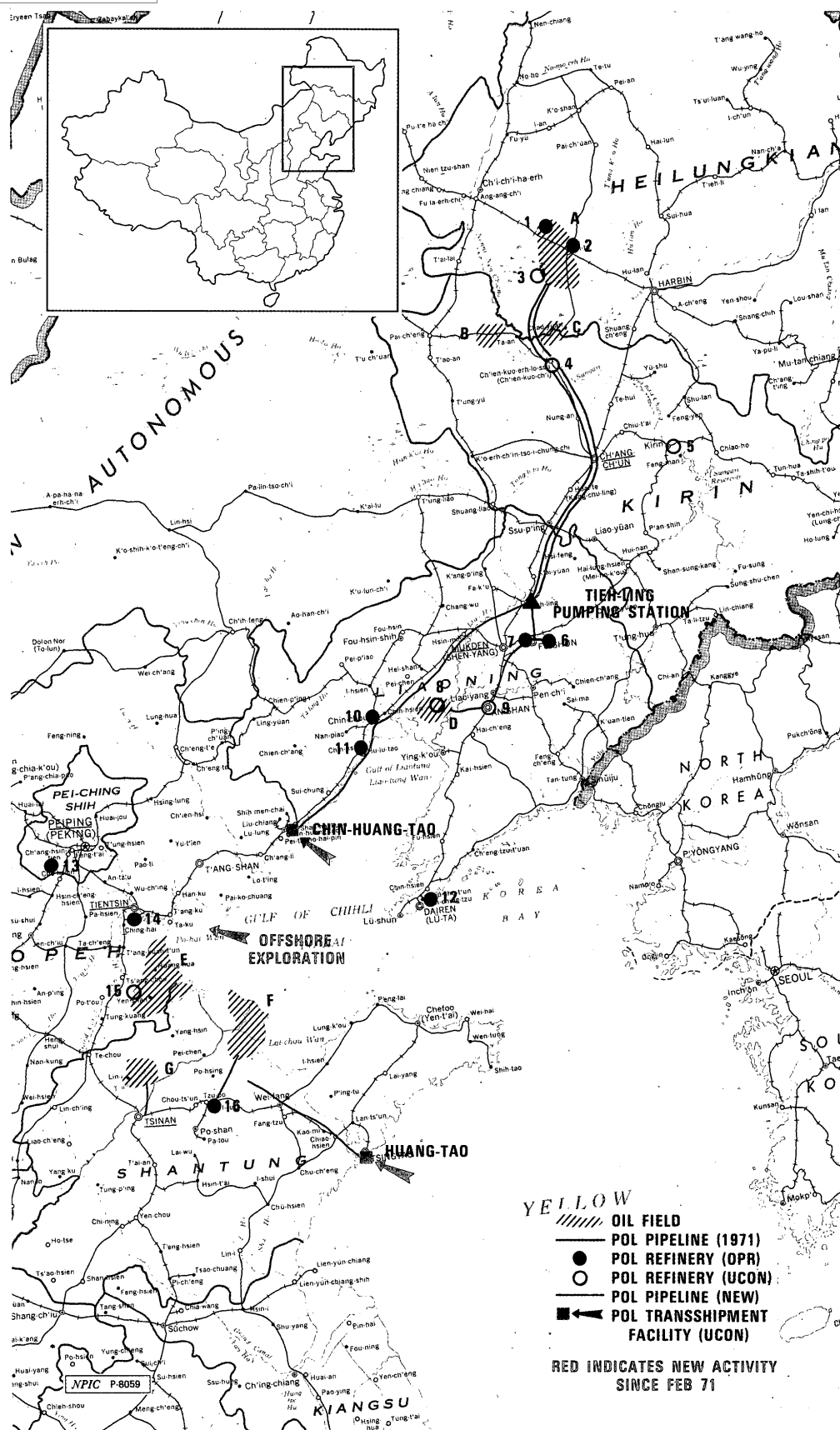


FIGURE 1. LOCATIONS OF PETROLEUM INDUSTRY DEVELOPMENTS, NORTHEAST CHINA (Items keyed to Tables 1 and 2)

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

2071

25X1

25X1

25X1

25X1

25Y1

25Y4

25X1

25X1

25X1

25X1

25X1

2071

0524

TOP SECRET RUFF

25X1

25X1

POL Transshipment Facilities

14. The Chin-huang-tao POL Transshipment Facility (Figure 4) was still under construction in November 1973. This new transshipment facility, China's first major offshore POL transshipment facility, was first identified in April 1973. It contains a 3,400-foot pier under construction. The support area, in a mid-to-late stage of construction, contains support buildings, storage tanks in various stages of construction, and construction material in open storage. The facility is the terminus of the POL pipeline which originates at the Ta-ching Oil Field.

25X1

15. The Huang-tao Possible POL Transshipment Facility was newly identified on photography of November 1973, 3 nm west of Ching-tao. This new facility is on the northern tip of Huang-tao (Island). A possible pier and nearby support facility were in an early stage of construction. A pipeline was under construction extending northwest from the facility to the vicinity of Kuang-jao Oil Field.

Offshore Exploration

16. The PRC has initiated an offshore oil exploration program in the Po Hai (Gulf). Five small offshore drilling platforms have been observed operating in the Po Hai close to shore near the Ta-ku

25X1

TOP SECRET RUFF

25X1

25X1

Page Denied

TOP SECRET RUFF

25X1

25X1

25X1

Oil Field since at least 1967. The first observation of a self-elevating offshore drilling platform was identified at Lu-ta Shipyard West [REDACTED]. This platform remained at Lu-ta [REDACTED] and was later observed at the Ta-ku Boatyard (BE [REDACTED]). The platform was again observed in the Po Hai in the vicinity of 38-22-25N 118-34-52E [REDACTED] where it was probably undergoing a sea trial exercise. [REDACTED] the platform was at 38-45-47N 118-35-15E, 43.4 nm east-southeast of Ta-ku.

25X1

25X1

25X1

25X1

25X1

17. A second platform, probably of Japanese origin, was also observed in the same vicinity in the Po Ha [REDACTED]. This [REDACTED] platform had [REDACTED] [REDACTED] helicopter deck extending over one end.

25X1

25X1

18. A possible semisubmersible-type offshore drilling platform was observed at the Ta-ku Boatyard on [REDACTED]. This is the only time this platform has been observed on overhead photography. It is approximately 90 by 90 feet and is approximately 100 feet high.

25X1

REFERENCES

25X1

DOCUMENT

1. NPIC: [REDACTED], PIN-012/71, *Petroleum Industry Developments, Northeast China*, Feb 71 (TOP SECRET RUFF)

25X1

MAPS OR CHARTS

US Geological Survey. China, Sheet 35574, 9-66, scale 1:400,000,000

REQUIREMENT

Project 120704ND

25X1

TOP SECRET RUFF

25X1

25X1

TOP SECRET

25X1

TOP SECRET

25X1